

DETECT AND PROTECT

Stop Deadly Drug Resistant Infections

Emerging healthcare-associated infection pathogens, especially highly drug resistant pathogens, pose a significant public health threat. CDC must detect highly drug resistant “superbugs” such as carbapenem-resistant Enterobacteriaceae (CRE) and protect patients from their spread.



Threat:

Drug resistant infections are on the rise



Some of these infections are virtually untreatable with currently available drugs



In the past decade, one type of drug resistant infection, CRE has increased from

1% to 4%



CRE infections have been reported in medical facilities in 42 states during the last 10 years

Solution:

Implementing “detect and protect” strategies that identify pathogens and stop transmission within and between facilities in a region.

DETECT if Patients Have Drug Resistant Infections



1. Use electronic data sources like CDC's National Healthcare Safety Network to detect superbugs
2. Request alerts every time the lab identifies a patient infected with a superbug
3. When receiving or transferring patients, find out if the patient has a drug resistant infection

PROTECT Patients from Drug Resistant Infections



1. Follow contact and other precautions when treating patients with drug resistant infections
2. Dedicate rooms, equipment, and staff to patients with highly drug resistant infections
3. Take out temporary medical devices like catheters as soon as possible
4. Prescribe antibiotics carefully; monitor antibiotic use with tools such as CDC's National Healthcare Safety Network's Antimicrobial Use module

Detect and Protect Works:

Medical facilities in several states have reduced CRE infection rates by following CDC's prevention guidelines and some states are early adopters of regional prevention strategies.

Oregon created the Drug-Resistant Organism Prevention and Coordinated Regional Epidemiology (DROP-CRE) Network



- Developing a statewide multidrug-resistant organism database
- Promoting CRE education statewide
- Conducting rapid regional identification of CRE
- Providing real-time epidemiologic outbreak assistance to facilities with CRE cases
- Tracking CRE statewide across the spectrum of care

Action is needed now to stop these deadly infections

For more information please visit: <http://www.cdc.gov/hai>



U.S. Department of Health and Human Services
Centers for Disease Control and Prevention